# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 1 | "6920580".pn. and (heartbeat) | USPAT | OR | OFF | 2007/09/01 23:06 |
| S3 | 34 | (("6760787") or ("20040128456") or ("20040098543") or ("20030105767") or ("20030074374") or ("6546475") or ("20020184439") or ("20020178336") or ("6449607") or ("20020124124") or ("20020099901") or ("20020073248") or ("6321276") or ("20010029592") or ("5940866") or ("5768623") or ("5542064")).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/28 14:48 |
| S4 | 2 | ("20020124124").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/28 15:13 |
| S6 | 6 | S3 and (integrated circuit) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/28 15:16 |
| S7 | 519 | 714/6.ccls. and (controller adapter) same (integrated circuit) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/28 15:24 |
| S9 | 59 | 714/6.ccls. and (controller adapter) same (integrated circuit) same PCI | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/28 15:42 |
| S11 | 6 | (storage adj (controller adapter)) adj5 (circuit adj board) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/28 15:44 |

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|---|---|---|---|---|---|---|
| S12 | 39 | (storage adj (controller adapter)) with (circuit adj board) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/28 15:46 |
| S14 | 27 | (storage adj (controller adapter)) with ((printed adj circuit adj board) PCB) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 10:52 |
| S16 | 2 | "20030200478" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 10:00 |
| S17 | 124 | 714/4,6.ccls. and ((controller adapter adaptor) with ((integrated adj circuit) ((printed adj circuit adj board) PCB))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 10:57 |
| S22 | 46 | "714"/$.ccls. and (((storage disk) adj3 (controller adapter adaptor)) same (network NIC) same ((integrated adj circuit) (printed adj circuit adj board) PCB FRU (field adj replaceable))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 11:11 |
| S23 | 370 | (((storage disk) adj3 (controller adapter adaptor)) same (network NIC) same ((integrated adj circuit) (printed adj circuit adj board) PCB FRU (field adj replaceable))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 11:05 |
| S24 | 55 | (((storage disk) adj3 (controll$3 adapt$3)) with (network NIC) with ((integrated adj circuit) (printed adj circuit adj board) PCB FRU (field adj replaceable))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 11:13 |

# EAST Search History

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|---|---|---|---|---|---|---|
| S25 | 52 | (((storage disk) adj3 (controll$3 adapt$3)) with (network NIC) with ((circuit adj board) PCB)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 11:23 |
| S26 | 961 | (((storage disk) adj3 (controll$3 adapt$3)) with ((circuit adj board) PCB)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 11:56 |
| S27 | 108 | "714"/$.ccls. and (((storage disk) adj3 (controll$3 adapt$3)) with ((circuit adj board) PCB)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 11:42 |
| S28 | 139 | "714"/$.ccls. and ((filer (file server)) with ((circuit adj board) PCB)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 11:46 |
| S29 | 161 | (filer (file adj server)) with ((circuit adj board) PCB (integrat$3 adj circuit)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 11:56 |
| S30 | 589 | hitachi.as. and disk adj controller and network | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 11:55 |
| S31 | 2 | hitachi.as. and (disk adj controller) and (network adj controlling adj unit) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 11:55 |

# EAST Search History

| S33 | 79 | (((storage disk) adj3 (controll$3 adapt$3)) with (network adj interface) with ((circuit board) PCB)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 12:08 |
|-----|------|-----|-----|-----|-----|-----|
| S34 | 2 | "6085333".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 12:04 |
| S35 | 2966 | ((filer ((storage disk) adj3 (controll$3 adapt$3))) same (network adj interface)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 12:08 |
| S36 | 233 | "714"/$.ccls. and ((filer ((storage disk) adj3 (controll$3 adapt$3))) same (network adj interface)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 12:47 |
| S37 | 86 | "714"/$.ccls. and ((filer (file adj server)) same ((storage disk) adj3 (controll$3 adapt$3))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 12:16 |
| S38 | 3 | "714"/$.ccls. and ((filer (file adj server)) with ((circuit adj board) PCB (integrat$3 adj circuit))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 15:41 |
| S39 | 4 | "714"/$.ccls. and ((filer) same (network adj interface)) and heartbeat | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 13:39 |

# EAST Search History

| S40 | 3 | "7210068".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 14:44 |
|---|---|---|---|---|---|---|
| S41 | 2 | "20030200478" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 14:44 |
| S42 | 2 | "6971042" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/29 14:45 |
| S43 | 31 | ("20020066050" \| "4870643" \| "5191584" \| "5519435" \| "5790176" \| "5796566" \| "5805919" \| "5825630" \| "5901048" \| "5909430" \| "5913028" \| "5938744" \| "6010345" \| "6047319" \| "6061241" \| "6067636" \| "6070228" \| "6108695" \| "6112246" \| "6134579" \| "6138144" \| "6144549" \| "6148142" \| "6155840" \| "6157534" \| "6170021" \| "6173340" \| "6202170" \| "6269453" \| "6625750" \| "6789165").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/08/29 14:46 |
| S44 | 42 | (network with ((storage disk) adj3 controller) with ((circuit adj board) PCB)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 10:05 |
| S45 | 2 | "20020124124" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 10:40 |

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|---|---|---|---|---|---|---|
| S46 | 0 | ((storage disk) adj controller) same network same file same heartbeat | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 10:42 |
| S47 | 200 | ((storage disk) adj controller) and network and file and heartbeat | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 10:42 |
| S48 | 9293 | (((storage disk) adj controller) same file) network and heartbeat | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 10:43 |
| S49 | 74 | (((storage disk) adj controller) same file) and network and heartbeat | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 10:44 |
| S50 | 100 | (((storage disk) adj controller) same file) and network and ((print$3 adj circuit adj board) PCB) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 11:26 |
| S51 | 81 | (((storage disk) adj controller) same file) and network and ((print$3 adj circuit adj board) PCB) and (heartbeat fault failure) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 11:26 |
| S52 | 836 | (((storage disk) adj controller) same file) and network and (heartbeat fault failure) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 11:27 |

| S53 | 10 | 714/4.ccls. and (((storage disk) adj controller) same file) same network | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 11:30 |
|-----|-----|-----|-----|-----|-----|-----|
| S54 | 1 | 714/4.ccls. and (((storage disk) adj controller) with (file adj system)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 11:31 |
| S55 | 290 | (((storage disk) adj controller) with (file adj system)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 11:31 |
| S56 | 507 | (printed adj circuit adj board) with (delay faster) | USPAT | OR | OFF | 2007/08/30 12:35 |
| S57 | 0 | "ti." | USPAT | OR | OFF | 2007/08/30 12:35 |
| S58 | 2 | (printed adj circuit adj board).ti. with (delay faster) | USPAT | OR | OFF | 2007/08/30 12:35 |
| S59 | 253 | (printed adj circuit adj board).ti. and (delay faster) | USPAT | OR | OFF | 2007/08/30 12:36 |
| S63 | 1 | "7210068".pn. and logical and address | USPAT | OR | OFF | 2007/08/30 13:09 |
| S64 | 0 | "7210068".pn. and PCI | USPAT | OR | OFF | 2007/08/30 13:09 |
| S65 | 1736 | (printed adj circuit adj board) and PCI | USPAT | OR | OFF | 2007/08/30 13:11 |
| S66 | 0 | (printed adj circuit adj board) with PCI with (storage adj controller) | USPAT | OR | OFF | 2007/08/30 13:13 |
| S67 | 1 | "7210068".pn. and bus | USPAT | OR | OFF | 2007/08/30 13:12 |
| S68 | 42 | (printed adj circuit adj board) with PCI adj bus | USPAT | OR | OFF | 2007/08/30 13:14 |
| S69 | 135 | internal adj PCI adj bus | USPAT | OR | OFF | 2007/08/30 14:32 |
| S74 | 0 | "6920579".pn. and address and logical | USPAT | OR | OFF | 2007/08/30 17:06 |
| S75 | 1 | "6920579".pn. and logical | USPAT | OR | OFF | 2007/08/30 15:32 |
| S76 | 0 | "6920579".pn. and logical adj block | USPAT | OR | OFF | 2007/08/30 15:43 |
| S77 | 25 | filer and heartbeat | USPAT | OR | OFF | 2007/08/30 17:15 |
| S78 | 2476 | filer same heartbeat sane logical adj block adj number | USPAT | OR | OFF | 2007/08/30 15:44 |

# EAST Search History

| S79 | 0 | filer same heartbeat same (logical adj block adj number) | USPAT | OR | OFF | 2007/08/30 15:44 |
|-----|---|---|---|---|---|---|
| S80 | 0 | filer same heartbeat same (logical adj block adj number) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 15:44 |
| S81 | 7 | filer same (logical adj block adj number) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 15:45 |
| S82 | 0 | filer same (address) same heartbeat | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 15:59 |
| S83 | 1 | "7210068".pn. and NVRAM | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 17:14 |
| S84 | 1 | "6920579".pn. and "152" | USPAT | OR | OFF | 2007/08/30 17:10 |
| S85 | 1 | "6920579".pn. and operator | USPAT | OR | OFF | 2007/08/30 17:10 |
| S86 | 0 | "7210068".pn. and "230" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 17:14 |
| S87 | 1 | "7210068".pn. and user | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/30 17:14 |
| S88 | 6 | filer and heartbeat and notify$3 | USPAT | OR | OFF | 2007/08/30 17:27 |
| S89 | 0 | filer and heartbeat same notify$3 | USPAT | OR | OFF | 2007/08/30 17:27 |
| S90 | 2 | filer same notify$3 and heartbeat | USPAT | OR | OFF | 2007/08/30 17:33 |

# EAST Search History

| S91 | 347402 | "6920579".pn. and fault failure | USPAT | OR | OFF | 2007/08/30 17:33 |
| S92 | 1 | "6920579".pn. and (fault failure) | USPAT | OR | OFF | 2007/09/01 23:06 |